| Index of Claims |
|-----------------|
|                 |

| Application No.    | Applicant(s)    |  |
|--------------------|-----------------|--|
| 09/753,053         | ARIMILLI ET AL. |  |
| Examiner           | Art Unit        |  |
| Charles A Harkness | 2183            |  |

| Rejected |   | (Through numeral)<br>Cancelled |
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|   | ı | Interference |

Charles A Harkness

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| Cla   | aim  |  |          |          |          | Date      | 9        |                                     |          |          |   |
|-------|--|--|----------|----------|----------|-----------|----------|-------------------------------------|----------|----------|---|
| Final | Original   | 3/16/04  | 9/16/04  |          |          |           |          |                                     |          |          |   |
|       |  | J  | <b>V</b> |          | $\vdash$ | -         |          | -                                   |          |          |   |
|       | 2  | V  | ō        |          |          |           |          |                                     | $\neg$   |          | i |
|       | 3  | 1  | 0        |          |          |           |          |                                     |          |          |   |
|       | 4  | V  | 0        | $\vdash$ | -        |           |          |                                     |          |          |   |
|       | 5  | 1  |          | -        |          |           |          |                                     | -        |          |   |
|       | 6  | 1  | 0        |          |          |           |          |                                     |          |          |   |
|       | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8               | 1  | 0        |          |          |           |          |                                     |          |          |   |
|       | 8  | <b>√</b>   | 1        |          |          |           |          |                                     | 1        |          |   |
|       | 9  | 1  |          |          |          |           |          |                                     |          |          |   |
|       | 10   | 1  | 0        |          |          |           |          |                                     |          |          |   |
|       | 11   |  | 0        |          |          |           |          |                                     |          |          | ŀ |
|       | 12   | 0  | 0        | ļ        |          | oxdot     |          |                                     |          |          |   |
|       | 13   | 0  | 0        |          | <u> </u> | <u> </u>  | <u>L</u> | _                                   |          | L        |   |
|       | 14   | 1  | 0        | <u> </u> |          | <u> </u>  |          | _                                   |          |          | 1 |
|       | 15   | V  | 0        | <u> </u> | _        | L         |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |          | l |
|       | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | \rangle \rangl | <u> </u> | ļ        | _        | <u> </u>  | _        |                                     | _        | $\vdash$ |   |
|       | 17   | √  | 0        | <u> </u> | <u> </u> | _         | <u> </u> |                                     | <u> </u> | -        |   |
|       | 18   | 0  | 0        | ļ        | <u> </u> | ļ         |          | _                                   | <u> </u> | <u> </u> | l |
|       | 19   | 0  | 0        | 1        |          |           | -        | <u> </u>                            |          |          | l |
|       | 20   | 0  | 0        | ļ        | ├        |           | -        | _                                   |          |          |   |
|       | 21   | 19   | 0        | <b>!</b> | ┢        |           | ⊢        | _                                   | -        | _        | ł |
|       | 22   | I V  | 0        |          | ┈        | ├         | ⊢        |                                     | _        |          | ł |
|       | 23   | 000777   | 0        | ╀        | ╁        | ├         | -        | -                                   | -        |          | ł |
|       | 24   | 1 V  | 0        | -        | $\vdash$ | $\vdash$  | $\vdash$ | -                                   |          | ┢        | l |
|       | 20<br>21<br>22<br>23<br>24<br>25<br>26             | o  | 0        | ┼        | +        | ╁╌        | H        |                                     | $\vdash$ | -        | ł |
|       | 27   | 10   | 0        | $\vdash$ |          | +         |          |                                     |          | -        | l |
|       | 28   | 0  | 0        | -        | -        | ╁         | -        | $\vdash$                            | -        |          | l |
|       | 20   | ۱ŏ   | Ť        | ╁        | +        | +         | $\vdash$ | <del> </del>                        | $\vdash$ | -        | ١ |
|       | 27<br>28<br>29<br>30                               | ╁  | $\vdash$ | +-       |          | +-        |          | $\vdash$                            | -        | $\vdash$ | i |
|       | 31   | 1  | ╁        | +        | ✝        | $\dagger$ | 1        | T                                   |          |          | 1 |
|       | 31<br>32<br>33                                     | 1  | †        | İ        |          | t         |          | †  –                                |          |          | 1 |
|       | 33   | +  | $\vdash$ | <b>†</b> | T        | †         | T        |                                     |          |          | 1 |
|       | 34   | ✝  |          |          | 1        |           |          |                                     |          |          | 1 |
|       | 34<br>35   |  |          | 1        |          |           | Т        |                                     | Γ        |          | 1 |
|       | 36   |  |          |          | Τ        | 1         |          | 1                                   |          |          |   |
|       | 37   |  |          | T        | 1        |           |          |                                     |          | Π        | 1 |
|       | 36<br>37<br>38                                     |  |          |          |          |           |          |                                     |          |          | ] |
|       | 39   |  |          |          |          |           |          |                                     |          |          | 1 |
|       | 40   |  |          |          |          |           |          |                                     |          |          |   |
|       | 41   |  |          |          |          |           |          | <u></u>                             |          | <u> </u> | 1 |
|       | 42   | _  | $\perp$  | 1_       | 4        | 1_        | 1        | <del> </del>                        | <u> </u> | 1_       | 1 |
| _     | 43   | 1_   | $\perp$  | $\perp$  | 1_       | 1         | <u> </u> | 1                                   |          | ļ        | 4 |
|       | 44   | $\perp$  | 1_       | 1_       | _        | _         | ــــــ   | ļ                                   | ــــ     | ↓_       | 4 |
|       | 45   | 1_   | 1        | 1        | 1        | 1         | 1        | 1                                   | ↓_       | <u> </u> | 4 |
|       | 46   | 1  | 1        | $\perp$  | -        | 1         | 1        | <u> </u>                            | $\vdash$ | $\vdash$ | 4 |
|       | 47   | 1  | 1        | 1        | $\bot$   |           | ┼        | 1                                   | ╄        | -        | 4 |
|       | 48   | +  | +        | +        | +        | +         | ╁        | +                                   | 1        | +-       |   |
|       | 49   | 1  | +        | 1-       | +        | +-        | +        | +                                   | ┼        | +        | - |
|       | 1 60   |  |          |          |          |           | 1        |                                     |          |          |   |

| Cla    | aim      |  |          |                 | Dat      | le      |  |   |           |         | Cla      | aim       |            |           | (        | Date         | •  |          |  |           |   |
|--------|----------|--|----------|-----------------|----------|---------|--|---|-----------|---------|----------|-----------|------------|-----------|----------|--------------|--|----------|--|-----------|---|
| r<br>E | Original | 3/16/04                                | 9/16/04  |                 |          |         |  |   |           |         | Final    | Original  |            |           |          |              |  |          |  |           |   |
|        | 1        | 1                                      | 1        |                 |          |         |  |   | _         | -       |          | 51        |            | ↓_        |          |              |  |          | _  | _         |   |
|        | 2        | 1                                      | 0        |                 | 4        | ļ       |  |   | _         |         |          | 52        |            | 1_        | <u> </u> |              |  |          |  |           |   |
|        | 3        | 1                                      | 0        | -               | 4-       | 1       |  | -                                       | -         | 1       |          | 53        | -          | +         |          |              |  |          |  |           |   |
|        | 4        | 1                                      | 0        |                 |          | +       | Ш  |   | -         |         |          | 54        |            | +         | _        |              |  |          | $\dashv$   | _         |   |
|        | 5        | √                                      | 0        | -               | +        |         | Н  |   | -         | -       |          | 55        |            | +         | <u> </u> |              |  | $\dashv$ |  | $\dashv$  |   |
|        | 6<br>7   | 1                                      | 0        |                 | -        | +       | $\vdash$   | -+                                      | -         | 1       |          | 56<br>57  | -          | +         |          |              | _  | $\dashv$ | $\dashv$   | $\dashv$  |   |
| _      | 8        | 1                                      | 1        | -               | +        | +-      | Н  | $\rightarrow$                           | $\dashv$  |         |          | 58        |            | +         |          | 1            |  |          | -  | $\dashv$  |   |
|        | 9        | 1                                      | 1        |                 | +        | ╁       | H  |   | -         |         |          | 59        |            |           | -        | -            |  |          |  | $\dashv$  |   |
|        | 10       | 1                                      | o        | $\dashv$        |          | +       |  |   | <b>-</b>  |         |          | 60        |            | $\dagger$ |          |              |  |          |  |           |   |
|        | 11       | 1                                      | 0        |                 |          |         |  | $\Box$                                  | 7         |         |          | 61        |            | $\top$    |          |              |  |          |  |           |   |
|        | 12       | 0                                      | 0        |                 | 1        | $\top$  |  | $\Box$                                  |           |         |          | 62        |            |           |          |              |  |          |  |           |   |
|        | 13       | 0                                      | 0        |                 |          |         |  |   |           |         |          | 63        |            |           |          |              |  |          |  |           |   |
|        | 14       | 1                                      | 0        |                 |          |         |  |   |           |         |          | 64        |            |           | <u> </u> |              |  |          |  |           |   |
|        | 15       | V                                      | 0        |                 | $\perp$  |         |  |   | _ ::      |         |          | 65        |            | 1         |          | L            |  |          | Ш  |           |   |
|        | 16       | 1                                      |          |                 |          | _       |  |   | _         |         |          | 66        |            | $\perp$   |          | <u> </u> _   |  |          |  |           |   |
|        | 17       | √                                      | 0        |                 |          | Д       | <u> </u>   | $\sqcup$                                | _         |         |          | 67        |            |           | <u> </u> | <u> </u>     |  |          |  |           |   |
|        | 18       | 0                                      | 0        |                 |          |         | <u> </u>   | $\vdash$                                | _         |         |          | 68        |            | -         | ├        | ├—           | L  |          | H  | <b>  </b> |   |
|        | 19       | 0                                      | 0        | $\vdash$        |          | -       | <del> </del> —                                   | $\vdash$                                |           |         |          | 69        |            |           | ├        | ┝            | -  | H        |  |           |   |
|        | 20       | 0                                      | 0        | <del> </del>    | -        | +-      | $\vdash$   |   | -         |         |          | 70<br>71  | -          | +         | ⊢        | ├            |  |          | Н  | $\vdash$  |   |
|        | 21       | \<br>√                                 | 0        | -               |          | +       | -  | $\vdash$                                | $\dashv$  |         | _        | 72        |            |           | -        | +            | -  |          | $\vdash$   | _         |   |
|        | 23       | 1                                      | 6        | -               | +-       | +       | -  | $\vdash$                                | :         |         |          | 73        | -+         |           | ┼        |              |  | -        |  |           |   |
| _      | 24       | V                                      | -        | <del>-  -</del> |          | ╫       |  | $\vdash$                                | $\dashv$  |         | _        | 74        | $\vdash$   | +         |          | -            | <del>                                     </del> |          |  |           |   |
|        | 25       | 1                                      | 0        |                 | +        | +       | <del>                                     </del> | 1                                       | $\dashv$  |         |          | 75        |            | -         | 1-       |              |  |          |  |           | 1 |
|        | 26       | o                                      | 0        | 1               |          | $\top$  | <del> </del>                                     |   |           |         | _        | 76        |            | 1         |          | ⇈            |  | $\Box$   |  | П         | 1 |
|        | 27       | 0                                      | 0        | $\Box$          | 1        | +       | 1  |   |           |         |          | 77        |            |           |          |              |  |          |  |           |   |
|        | 28       | 0                                      | О        |                 |          |         | Г  |   |           |         |          | 78        |            |           |          |              |  |          |  |           |   |
|        | 29       |  | Т        |                 |          |         |  |   |           |         |          | 79        |            |           |          |              | L  |          |  | L         |   |
|        | 30       |  |          |                 |          |         |  |   |           |         |          | 80        |            |           | ļ        |              |  | <u> </u> |  | <u>_</u>  |   |
|        | 31       |  |          |                 | $\perp$  | $\perp$ |  |   |           |         |          | 81        |            | $\perp$   | ┖        | ļ            | _  |          |  | <u> </u>  |   |
|        | 32       | <u> </u>                               | _        |                 |          | 4       | ┡  | ļļ                                      | _         |         | ļ        | 82        | ļ <u>.</u> | _         | ↓        | 1            | <u> </u>   | ļ        | _  | _         |   |
|        | 33       | <u> </u>                               | ļ        | $\vdash$        | +        |         | <del> </del>                                     | $\vdash$                                | -         |         | <u> </u> | 83        | -          |           | -        | -            | -  |          | <u> </u>   |           | - |
|        | 34       | -                                      | ╁        |                 | +        | +       | ┼  | $\vdash$                                | -         |         |          | 84<br>85  |            |           | $\vdash$ |              | $\vdash$   | ┝        |  | _         | ł |
|        | 35       | ⊢                                      | +        | $\vdash$        |          | +       | ╁  | $\vdash$                                | $\dashv$  |         | _        | 86        |            | +         | ╂        |              |  |          |  |           |   |
|        | 36<br>37 | ├                                      | $\vdash$ |                 | -        | +-      | ┢  | +-+                                     | $\dashv$  |         |          | 87        | $\vdash$   | +         | 1        | ╁            | ┼  | $\vdash$ | $\vdash$   | -         | 1 |
|        | 38       |  | $\vdash$ | <del>   </del>  | $\dashv$ | ╁       | ┢  | +                                       | -         |         |          | 88        | -          |           | T        | $\dagger$    | 1  |          | <del>                                     </del> | -         | 1 |
|        | 39       | $\vdash$                               | +        | ++              | $\dashv$ | +       | +  | $\Box$                                  | $\exists$ |         |          | 89        |            |           | $\vdash$ | 1            | T  | İ        | _  | Г         | 1 |
|        | 40       | <b>†</b>                               | t        | $\vdash$        | $\top$   | $\top$  |  |   |           | H       |          | 90        |            |           | 1        |              | T  |          | Г  |           | 1 |
|        | 41       | 1                                      | t        |                 |          |         | T  | 1 1                                     |           |         | 7        | 91        |            |           | T        | T            |  |          |  |           |   |
|        | 42       | $\vdash$                               | T        | $\Box$          |          |         | 1  |   |           |         |          | 92        |            |           |          |              |  |          |  |           | ] |
|        | 43       |  |          |                 |          |         |  |   |           |         |          | 93        |            |           | L        |              |  | <u> </u> |  |           | 1 |
|        | 44       |  |          |                 |          |         |  |   | _         |         |          | 94        |            |           | _        |              | ļ  |          |  | <u> </u>  |   |
|        | 45       |  |          |                 |          |         |  | $\perp$                                 |           |         | L        | 95        | 1          | $\perp$   | 1        | $\downarrow$ | 1  | 1_       | <u> </u>   | $\vdash$  |   |
|        | 46       | L                                      | $\perp$  | $\sqcup$        |          | $\perp$ | <u> </u>   | $\sqcup$                                | _         |         | <u> </u> | 96        | $\sqcup$   |           | -        | ļ            |  | 1        | ₩  | <u> </u>  | 4 |
|        | 47       | _                                      | _        | 14              | $\dashv$ | 4       | _  | $\sqcup$                                | _         |         |          | 97        | $\vdash$   | +         | +        | +            | $\vdash$   |          |  | $\vdash$  | 1 |
|        | 48       | $\vdash$                               | -        | 1               |          | -       | +  | $\vdash$                                | $\dashv$  |         | <u> </u> | 98        | $\vdash$   |           | +-       | +            | +  | -        | -  | -         | 1 |
|        | 49       | $\vdash$                               | +        | 1-1             |          | +       | +  | +                                       | $\dashv$  |         |          | 99<br>100 | $\vdash$   | +-        | +        | +            | +  | +        | +-   | $\vdash$  | 1 |
|        | 50       | _ـــــــــــــــــــــــــــــــــــــ | Т.       | Ш               |          | _1      |  | لــــــــــــــــــــــــــــــــــــــ | :         | - : - : |          | 100       | 1          | L_        |          |              | 1_   |          | L  | Ц_        | ] |

| Cla      | aim        |          |          |            |          | Date     | <u> </u> |          |          |          |
|----------|------------|----------|----------|------------|----------|----------|----------|----------|----------|----------|
| 010      |            |          | П        |            | ٦        |          |          |          | $\neg$   | $\dashv$ |
| Final    | Original   |          |          |            |          |          |          |          |          |          |
|          | 101        |          |          |            |          |          |          |          |          |          |
|          | 102        |          |          |            |          |          |          |          |          |          |
|          | 102<br>103 |          |          |            |          |          |          |          |          |          |
|          | 104        |          |          |            |          |          |          |          |          |          |
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|          | 106        |          |          |            |          |          |          |          |          |          |
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|          | 108        |          |          |            |          | L        |          |          |          |          |
|          | 109        |          |          |            |          | ļ        | <u> </u> |          |          |          |
|          | 110<br>111 |          |          |            |          |          |          |          |          | _        |
|          | 111        |          |          |            |          |          |          | _        |          | -        |
|          | 112        |          |          |            |          |          | _        |          |          |          |
|          | 113<br>114 |          |          |            |          |          | _        |          |          | $\dashv$ |
|          | 114        |          |          |            | _        | ļ        | -        |          |          |          |
|          | 115        | <u> </u> |          |            |          | -        | -        |          |          | $\dashv$ |
|          | 116        | _        |          |            | _        | $\vdash$ |          | _        |          | Н        |
|          | 117        |          |          | $\vdash$   | _        | $\vdash$ | ⊢        |          |          | -        |
|          | 118<br>119 | $\vdash$ |          |            | $\vdash$ |          |          |          | $\vdash$ |          |
|          | 120        |          |          | _          | -        | $\vdash$ | ⊢        |          | -        | -        |
|          | 120        | -        |          |            |          | $\vdash$ |          |          | _        | $\vdash$ |
|          | 121<br>122 |          | $\vdash$ |            |          | ├        | -        | $\vdash$ | $\vdash$ |          |
|          | 122        | -        |          |            |          | ┢        | ╁        |          |          |          |
|          | 123<br>124 |          |          |            |          | $\vdash$ |          |          |          |          |
|          | 125        |          |          |            |          |          | H        |          |          | $\Box$   |
|          | 126        |          |          |            |          |          |          | _        |          | Н        |
|          | 126<br>127 |          |          | Ι          | $\vdash$ | <b>—</b> | T        | T        |          |          |
|          | 128        |          | -        | Т          |          |          | $\vdash$ |          |          |          |
|          | 129        |          |          |            |          |          |          |          |          |          |
|          | 130        |          |          |            |          | 1        |          | П        | -        |          |
|          | 131<br>132 |          |          |            |          |          |          |          |          |          |
|          | 132        |          |          |            |          |          |          |          |          |          |
|          | 133        |          |          |            |          |          |          |          |          |          |
|          | 134        |          |          |            | <u> </u> |          | L        |          |          |          |
|          | 135        |          |          | <u> </u>   |          |          | ļ        | <u> </u> | L        |          |
|          | 136        |          | ļ        |            | <u> </u> | <u> </u> | <u> </u> | _        |          |          |
|          | 137        | ļ        |          | L          | <u> </u> | _        |          | <u> </u> | <u> </u> |          |
|          | 138        |          | L        | <u> </u>   | ļ        | $\vdash$ |          | <u> </u> | ـــــ    | _        |
|          | 139        |          | <u> </u> | <b>↓</b> _ | ┡        | _        | ļ        | <u> </u> |          | _        |
|          | 140        | <u> </u> | <u> </u> | ļ          | ┡        | ↓        | -        | <u> </u> | _        |          |
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| <u> </u> | 144        | $\vdash$ | $\vdash$ | -          | ├        | $\vdash$ | +-       | ╀        | _        | $\vdash$ |
|          | 145        | ⊢        | $\vdash$ | +-         | ⊬        | +        | ╁        | +        | ₩-       | ├        |
| <u> </u> | 146        | $\vdash$ | 1        | 1          | ├        | $\vdash$ | +        | +-       | ╂-       | -        |
|          | 147        | $\vdash$ | -        | $\vdash$   | ┼        | +        | +        | +-       | ╆-       | ⊢        |
| <u> </u> | 148<br>149 | +        | 1        | +-         | 1        | +−       | +        | ┼        | +        | -        |
|          | 150        | +        | 1        | +          | +        | +        | +        | +        | $\vdash$ | -        |
| <u> </u> | 1 150      | <u> </u> | <u> </u> | !          |          | —        | 1        |          |          | Щ.       |